

Daily Challenge

Happy Coding from necse



SKILLRACK

Check Step Sequence

An array of N integers is passed as input. The program must print **yes** if the array is a step sequence. Else the program must print **no**. A sequence is said to be step sequence if the adjacent elements in the sequence differ by exactly one for all the elements.

Boundary Condition(s): $1 \leq N \leq 9999$ **Input Format:**

The first line contains N.

The second line contains N Integers separated by space(s).

Output Format:

The first line contains "yes" or "no".

Example Input/Output 1:

Input:

5

2 3 4 3 2

Output:

yes

Example Input/Output 2:

Input:

6

5 6 7 9 8 7

Output:

no

Max Execution Time Limit: 5000 millisecs

Ambiance

Java (12.0)



```
1  import java.util.*;
2  public class Hello {
3
4      public static void main(String[] args) {
5          Scanner sc=new Scanner(System.in);
6          int n=sc.nextInt();
7          int c=0;
8          int[] arr=new int[n];
9          for(int i=0;i<n;i++){
10             arr[i]=sc.nextInt();
11         }
12
13         for(int i=1;i<n;i++){
14             if(Math.abs(arr[i-1]-arr[i])==1){
15                 c++;
16             }
17         }
18         if(c==n-1){
19             System.out.print("yes");
20         }
21         else{
22             System.out.print("no");
23         }
24         //System.out.print(c);
25
26     }
27 }
```

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Code did not pass the execution

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Input:

5
2 3 4 3 2

Expected Output:

yes

Your Program Output:

4

Save

Run